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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Pradeep K. Agarwal et al
Filed	:	Herewith
For	:	SYSTEM FOR RECOVERY OF SULFUR AND HYDROGEN FROM SOUR GAS
Docket No.	:	W02.PAT-12

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sirs:

Please enter this Preliminary Amendment:

IN THE CLAIMS

Please cancel claims 1 - 23.

Please add the following claims:

24. An apparatus for converting H₂S to elemental sulfur and hydrogen, the apparatus comprising:

conversion means for receiving H₂S and for converting H₂S to elemental sulfur and hydrogen at a predetermined temperature less than approximately four hundred (400^o) degrees C.--

25. The apparatus of claim 24 wherein the conversion means is a nonthermal plasma corona reactor.--

26. The apparatus of claim 24 and further comprising: